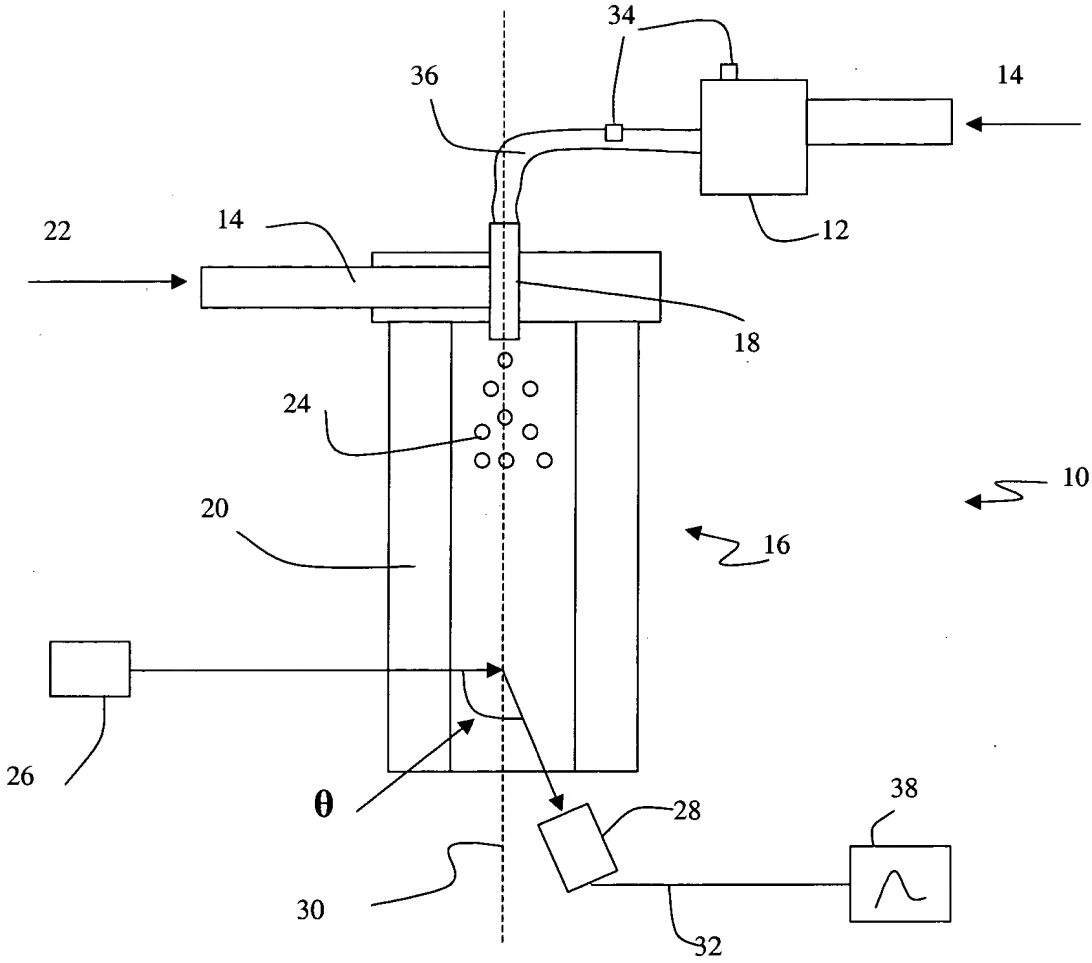


Figure 1

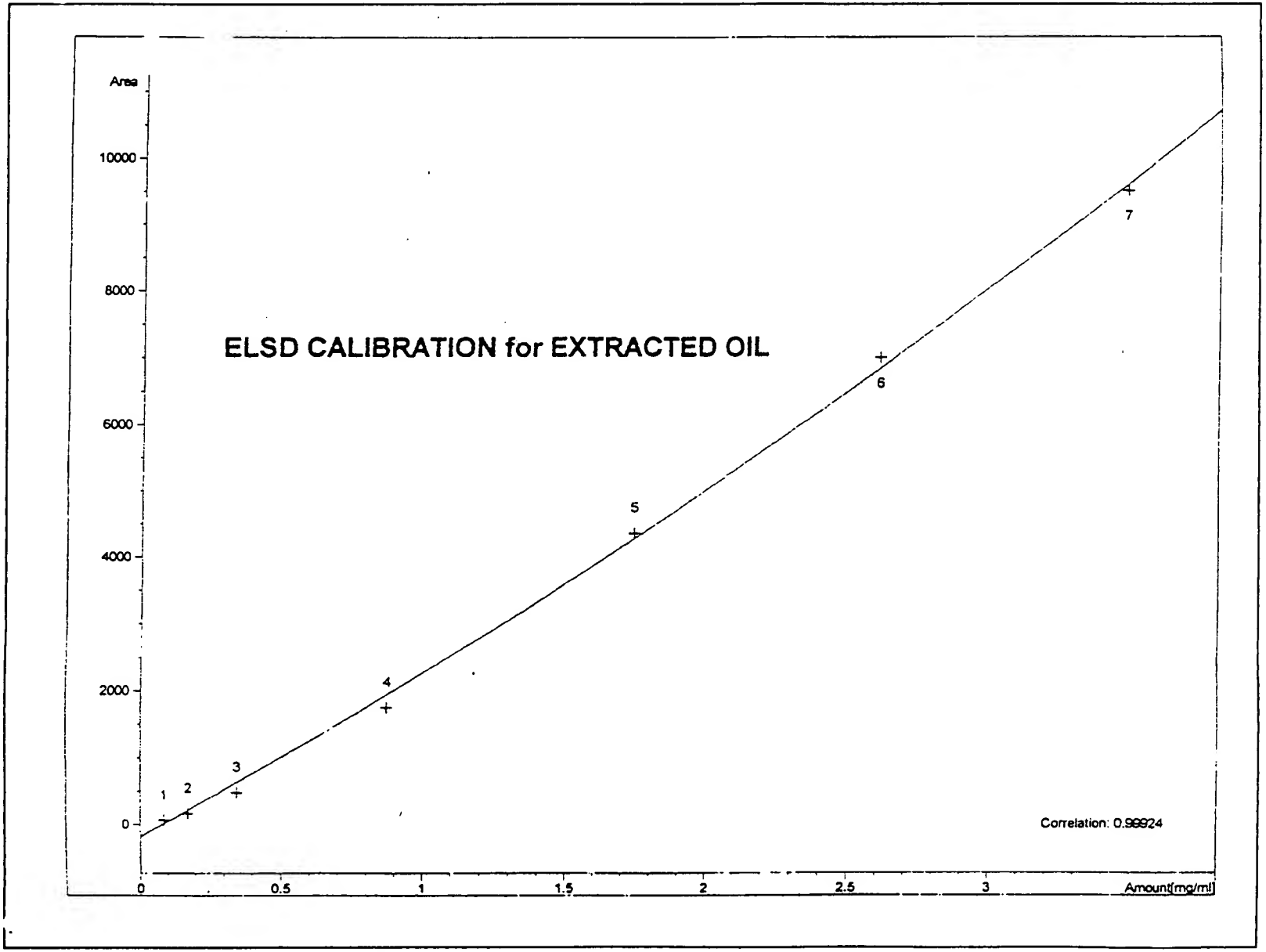
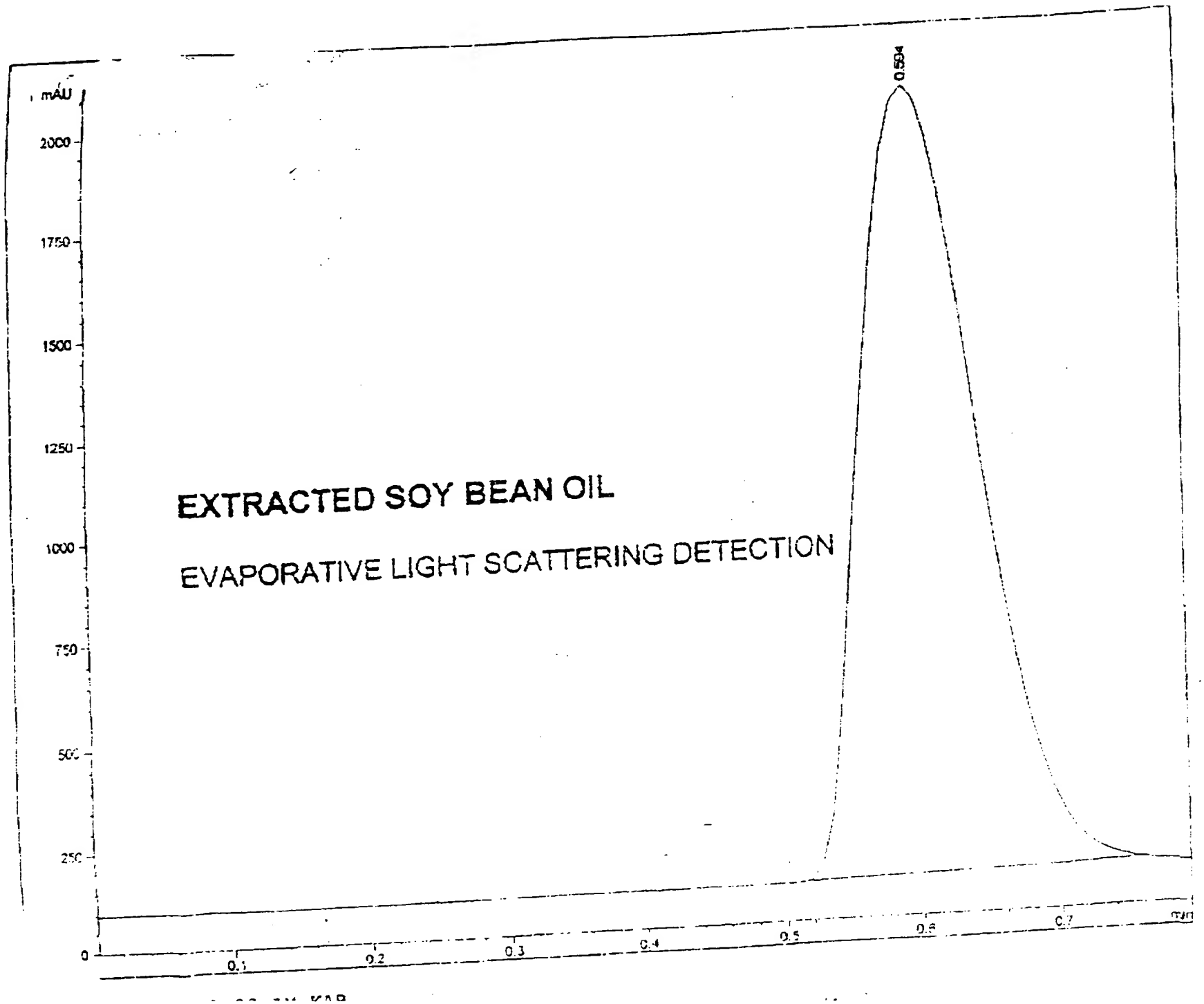

ELSD CALIBRATION for EXTRACTED OIL
Area
10000
8000
6000
4000
2000
0
0
0.5
1
1.5
2
2.5
3
Amount[mg/ml]
1
2
3
4
5
6
7
Correlation: 0.99924

Figure 2

Figure 3


mAU
2000
1750
1500
1250
1000
750
500
250
0
0.594
EXTRACTED SOY BEAN OIL
EVAPORATIVE LIGHT SCATTERING DETECTION
0.1
0.2
0.3
0.4
0.5
0.6
0.7

Correlation of LS Results with ASE for Soy

Sample	% Oil LS	% Oil ASE	LS/ASE
1	17.7	19.7	0.90
2	19.7	21.8	0.90
3	17.8	20.1	0.89
4	19.4	21.8	0.89
5	18.8	23.3	0.81
6	18.3	21.9	0.84
7	16.9	20.1	0.84
8	19.3	22.2	0.87
9	17.8	20.5	0.87
10	17.9	20.6	0.87
11	20.6	18.3	1.13
12	18.6	20.5	0.91

Figure 4

SCANNED, #_____

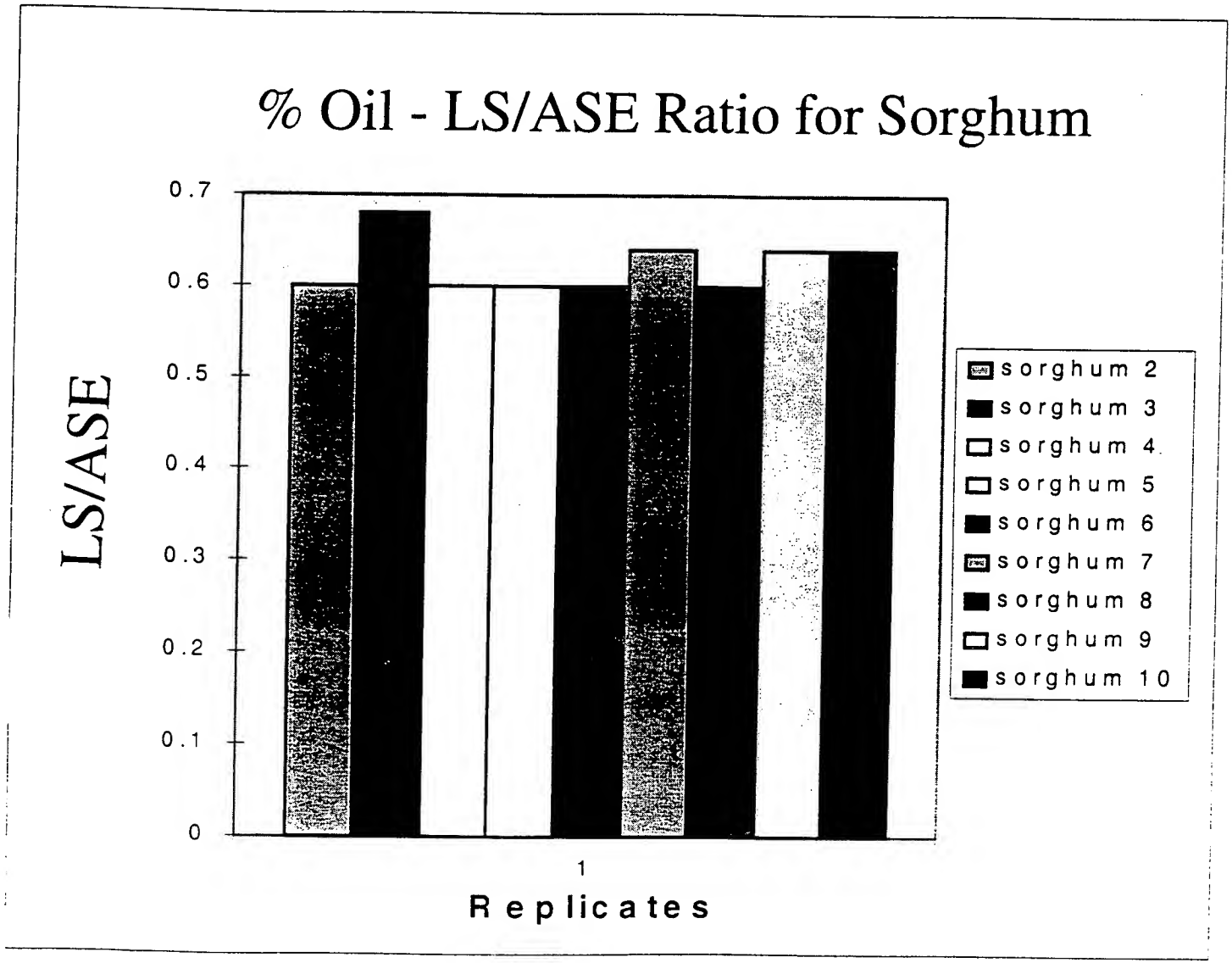


Figure 5

SCANNED, #

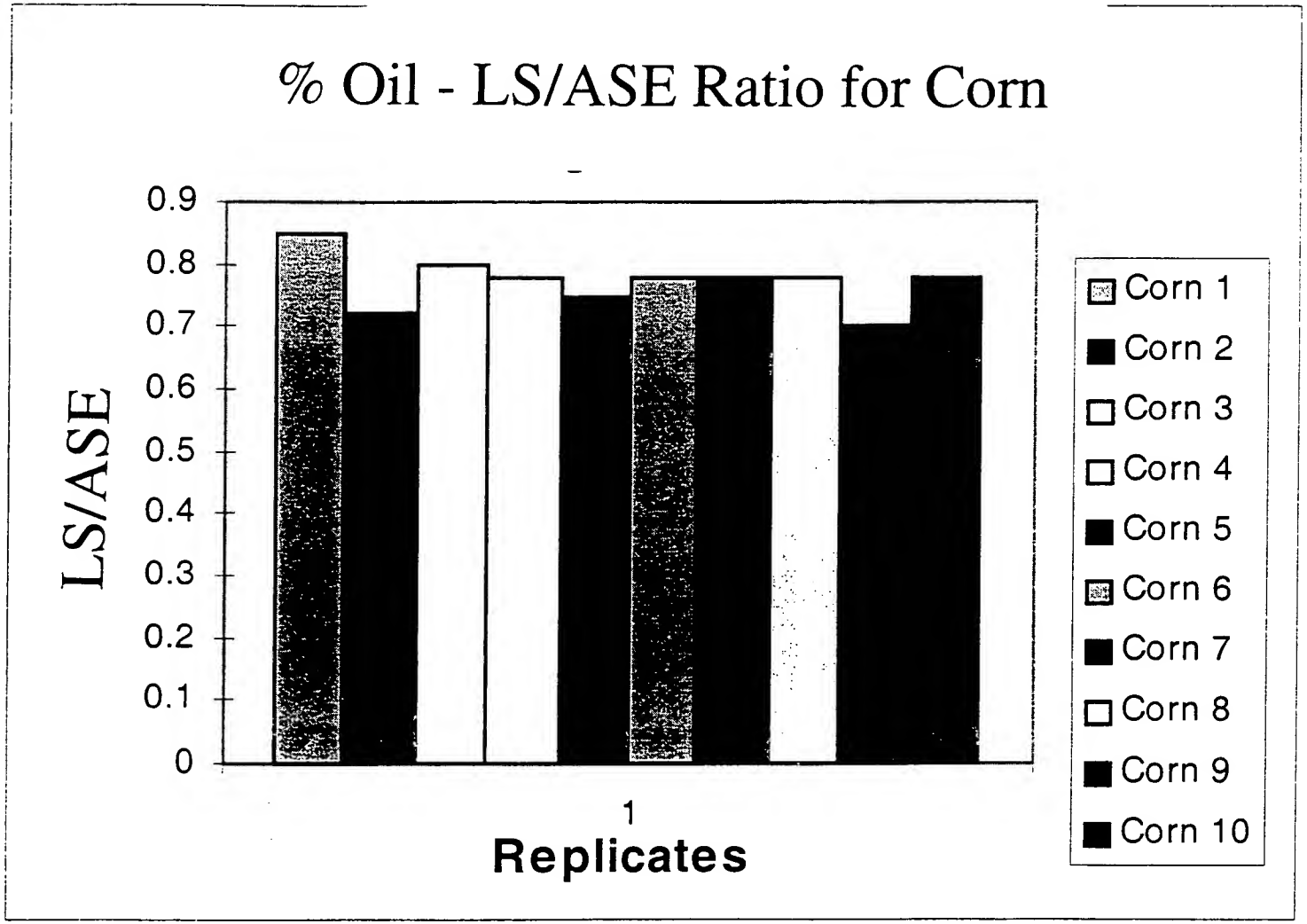


Figure 6

SCANNED, #_____

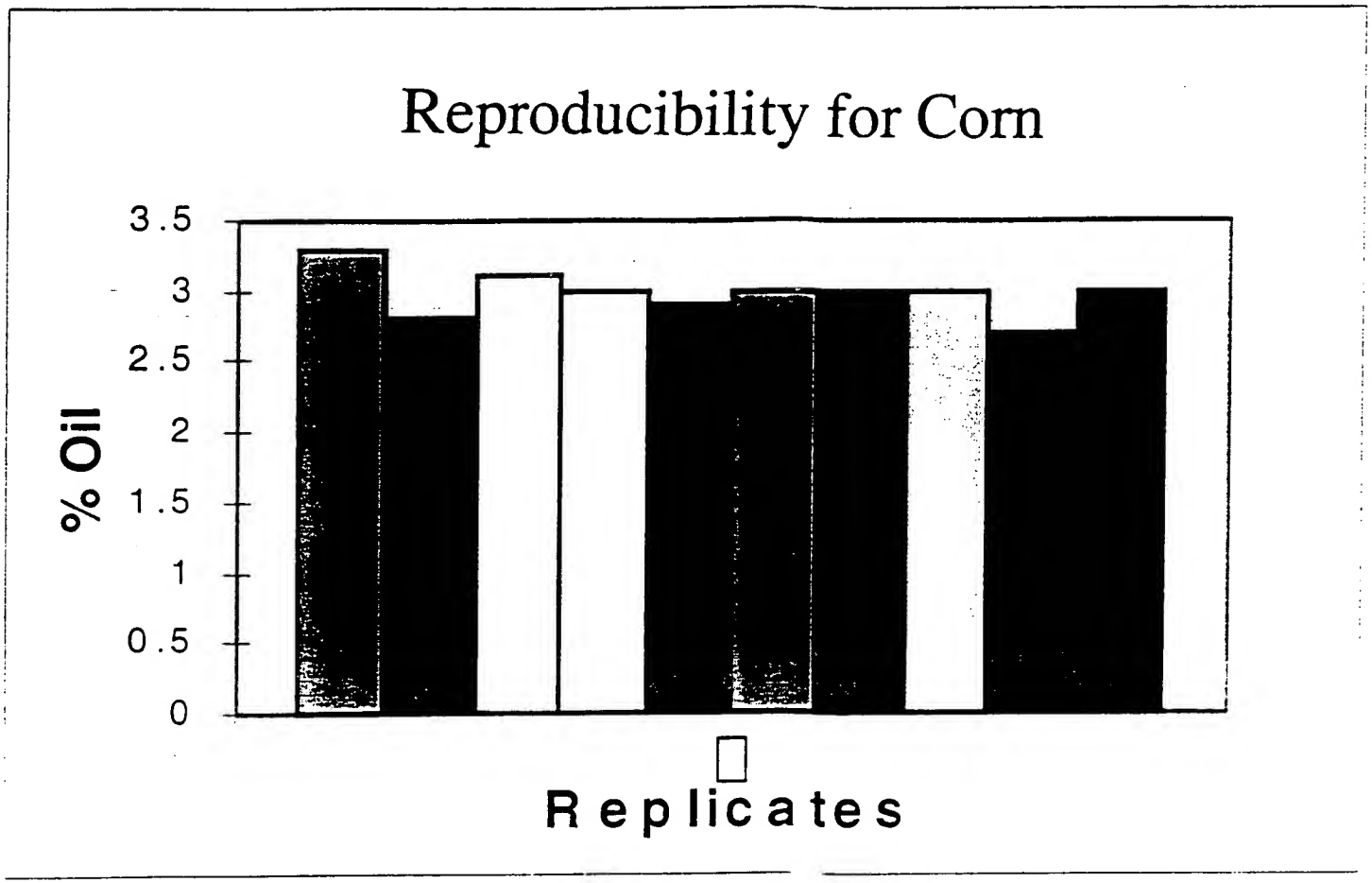


Figure 7

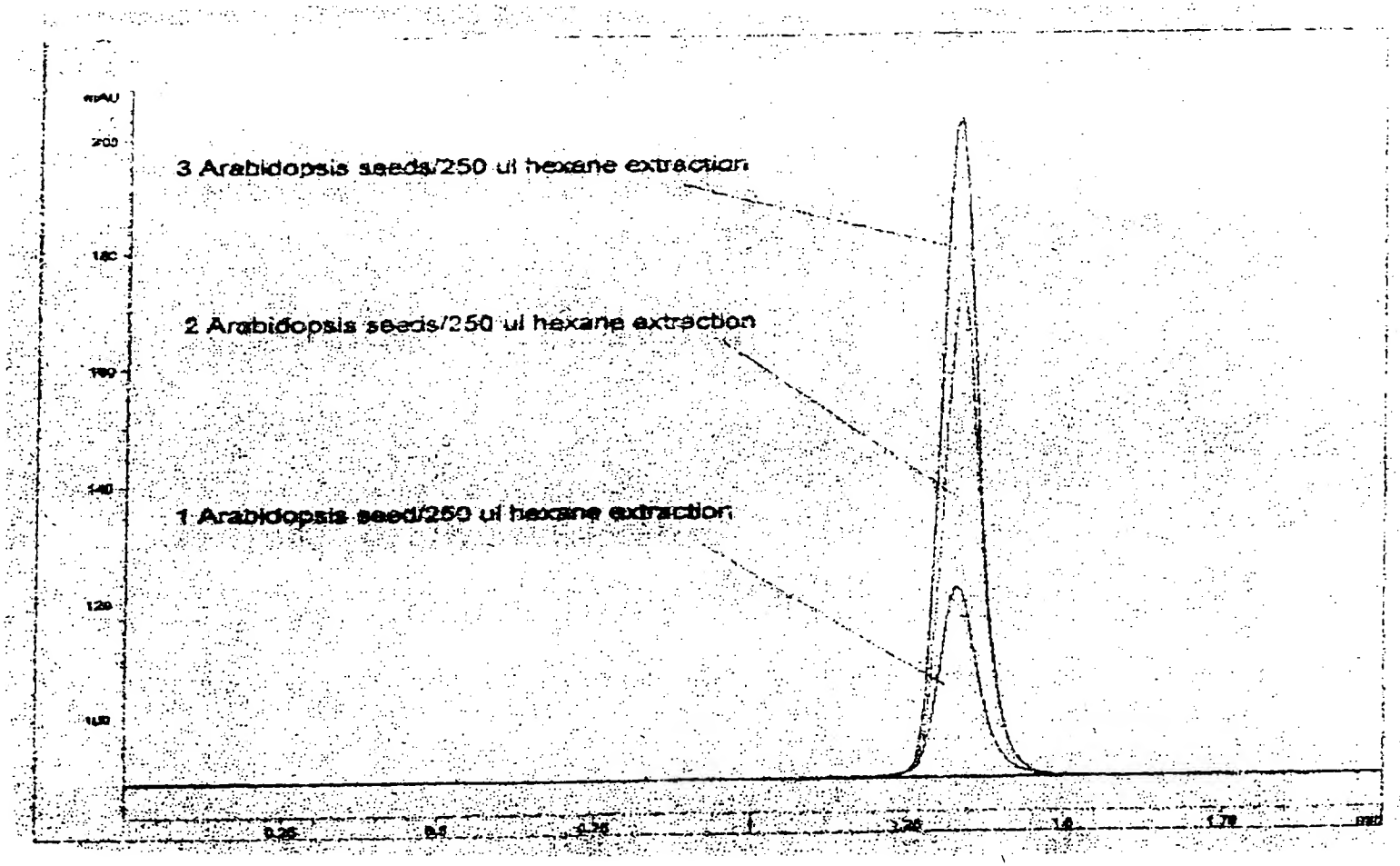

3 Arabidopsis seeds/250 ul hexane extraction
2 Arabidopsis seeds/250 ul hexane extraction
1 Arabidopsis seed/250 ul hexane extraction

Figure 8